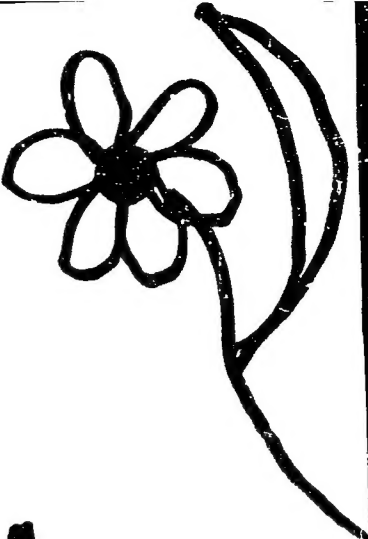


THE 
BEGINNING

#208

KARLOV, ye. M.
Jo

KARLOV, Ye.M.

Causes of mottling in the vegetative cover of eastern Kazakhstan
[with summary in English]. Pochvovedenie no.5:101-105 My '58.
(MIRA 11:6)

1. Leningradskiy institut po proyektirovaniyu vodokhozyaystvennogo
i meliorativnogo stroitel'stva.
(Kazakhstan--Plant diseases)

KARLOV, Ye.M.

Determining irrigation norms. Pochvovedenie no.11:95-101
N '59. (MIRA 13:4)

1. Lengiprovodkhoz.
(Irrigation)

MARCHENKO, A.I.; KARLOV, Ye.M.

Investigating the vegetative resources in *Picea hylocomiosa*
of the northern taiga. Bot. zhur. 46 no.8:1146-1152 Ag '61.
(MIRA 15:1)

1. Tsentral'nyy muzey pochvovedeniya imeni V.V. Dokuchayeva
AN SSSR, Leningrad.

(Siberia--Forests and forestry)

(Siberia--Spruce)

KARLOV, Ye.M.

Kanin Peninsula has to be afforested. Priroda 50 no.12:61 D
'61. (MIRA 14:12)

1. TSentral'nyy muzey pochvovedeniya im. V.V.Dokuchayeva AN SSSR,
Leningrad.

(Kanin Peninsula--Afforestation)

MARCHENKO, A. I.; KARLOV, Ye. M.

Mineral exchange in spruce forests of the northern taiga and
forest tundra in Archangel Province. Pochvovedeniye no.7:52-66
J1 '62. (MIRA 15:10)

1. TSentral'nyy muzey pochvovedeniya imeni V. V. Dokuchayeva.

(Archangel Province--Forest soils)

KARLOVA, A.N., kandidat meditsinskikh nauk

Streptomycin treatment for toxic dyspepsia. Pediatriia no.3:
76-79 My-Je '54. (MLRA 8:1)

1. Iz kliniki detskikh bolezney (ispolnyayushchiy obyazannosti
zaveduyushchego A.N.Karlova) lechebnogo fakul'teta Ivanovskogo
meditsinskogo instituta (direktor - professor P.P.Yerofeyev)
(STREPTOMYCIN) (DYSPEPSIA)

KARLOVA, A.N., dotsent

Problem of epidemic hepatitis in newborn children. *Pediatrics* 39
no.6:46-49 N-D '56. (MIRA 10:2)

1. Iz kafedry detskikh bolezney (zav. - A.N.Karlova) Ivanovskogo
gosudarstvennogo meditsinskogo instituta.

(HEPATITIS, INFECTIOUS, in infant and child,
newborn (Rus))

(INFANTS, NEWBORN, diseases
hepatitis, infect. (Rus))

KARLOVA, A.N.

Orientation reflexes in infants [with summary in English]. Zhur.vys.
nerv.delat. 9 no.1:37-44 Ja-F '59. (MIRA 12:3)

1. Chair of Child Diseases, Medical Institute, Ivanovo.

(ORIENTATION,

conditioned & unconditioned orientation reflexes
in inf. (Rus))

(REFLEX, CONDITIONED,

orientation conditioned reflex in inf. (Rus))

(REFLEX,

orientation unconditioned reflexes in inf. (Rus))

USSR/Human and Animal Physiology - (Normal and Pathological). T
Nervous System. Higher Nervous Activity. Behavior.

Abs Jour : Ref Zhur Biol., No 4, 1959, 17956

Author : Karlova, A.N.

Inst : Ivanovsk Medical Institute

Title : Conditioned Orientating Reflex and Its Extinguishing in Young Children.

Orig Pub : Sb. nauchn. tr. Ivanovsk. med. in-ta, 1957, vyp. 12. 7-14

Abstract : In 17 children in the age group of 4 months - 1 year, 4 months, a conditioned orientating reflex (COR) was worked out to the combination of a buzzer with a red light. The unconditioned reaction of turning the head to the light appeared at 3-4th months. In children older than 7 months COR arose at 2-4th combination and was stable. Extinguishing of COR occurred slower than its

Card 1/2

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USSR/Human and Animal Physiology - (Normal and Pathological). T
Nervous System. Higher Nervous Activity. Behaviour.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000720810001-2

Abs Jour : Ref Zhur Biol., No 4, 1959, 17956

production. In the course of extinguishing, sleep or the actively defensive reaction arose easily. In production or extinguishing of COR, typological differences between children were discovered. -- O.S. Vinogradova

Card 2/2

KARLOVA, A.N., dotsent

Functional changes in the higher nervous activity in infants
in pneumonia. Vop. okh. mat. i det. 6 no.4:48-54 Ap '61.
(MIRA 14:6)

1. Iz kafedry detskikh bolezney (zav. - dotsent A.N.Karlova)
Ivanovskogo meditsinskogo instituta (dir. - dotsent Ya.M.Romanov).
(PNEUMONIA) (CONDITIONED RESPONSE)

KARLOVA, A.N., dotsent

Development of the individual characteristics of higher nervous
activity in infants in ontogenesis. Pediatriia no.7:3-8 '62.
(MIRA 15:12)

1. Iz kafedry detskikh bolezney (zav. - dotsnet A.N. Karlova)
Iranovskogo meditsinskogo instituta (dir. - dotsent Ya.M.
Romanov).

(NERVOUS SYSTEM) (CONDITIONED RESPONSE) (INFANTS)

KARLOVA, A.N.

"Zero" minimum pressure in infants in bronchopneumonia. Vop.okh.mav.
i det. 7 no.7:23-27 J1 '62. (MIRA 15:11)

1. Iz kliniki detskikh bolezney (zav. - dotsent A.N.Karlova)
Ivanovskogo meditsinskogo instituta.
(PNEUMONIA) (BLOOD PRESSURE)

KARLOVA, A.N., dotsent

Vascular-vegetative reactions during pneumonia in children.
Sov.med. 26 no.2:82-86 F'63. (MIRA 16:6)

1. Iz kafedry gosspital'noy pediatrii (zav. - dotsent A.N.Karlova)
Ivanovskogo meditsinskogo instituta.
(PNEUMONIA) (INFANTS—DISEASES) (NERVOUS SYSTEM, AUTONOMIC)
(ALLERGY)

KARLOVA, A.N., dotsent

Clinical aspects of bronchopneumonia in infants. Sbor. nauch.
trud. Ivan. gos. med. inst. no. 28:12-16 ' 63. (MIRA 19:1)

Diagnostic and prognostic significance of the infectious allergy
syndrome in pneumonia in young children. Ibid.: 17-22

1. Iz kafedry gosital'noy pediatrii (zav. - dotsent A.N. Karlova)
Ivanovskogo gosudarstvennogo meditsinskogo instituta (rektor -
dotsent Ya. M. Romanov).

KARLOVA, A.V., dotsent (Dnepropetrovsk, ul. 8 marta, d.13, kv.6)

Causes of poor results of an extensive resection of the small intestine. Klin.khir. no.6:78 Je '62. (MIRA 165)

1. Klinika obshchey khirurgii (zav. - zasluzhennyy deyatel' nauki UkrSSR, prof. D.A. Vasilenko) Dnepropetrovskogo meditsinskogo instituta.

(INTESTINES—SURGERY)

ZHEIDAKOV, M.Ye.; KARLOVA, I.N.

Geological and economic evaluation of the refractory clays
of the eastern Donets Basin. Razved. i okh. nedr. 30 no. 11:
6-8 N '64. (MIRA 13:4)

1. Volgo-Donetskiye geological and ec

BAREYEV, Yemel'yan Sevel'yevich. Prinimali uchastiye: ZHELDAKOV, M.Ye.,
geolog; KARLOVA, I.N., geolog. BABAKHOVA, N.Kh., red.;
MARINYUK, M.V., tekhn.red.

[Local raw materials for building materials; mineral raw material
resources in Rostov Province] Mestnoe syr'e dlia stroitel'nykh
materialov; mineral'nye syr'evye resursy Rostovskoi oblasti.
Rostov, Rostovskoe knizhnoe izd-vo, 1960. 346 p.

(MIRA 14:2)

(Rostov Province--Mines and mineral resources)

(Rostov Province--Building materials)

POLAK, A.F.; KARLOVA, L.G.; KURBANOVSKAYA, O.G.

Formation of nuclei of a new hydrate phase in the hardening of
monomineral binders. Koll.zhur. 26 no.2:230-234 Mr-Apr '64.

(MIRA 17:4)

1. Bashkirskiy nauchno-issledovatel'skiy institut po stroitel'stvu,
Ufa.

CZECHOSLOVAKIA

KARLOVA, M., MVDr

Prague

Brno, Veterinarstvi, No 12, December 1966, pp 549-551

"Veterinary hygiene requirements in production and in the feed-mixing plants."

JIRASEK, Vladimír, MSc.; LAJČOVÁ Marie, professor Chem. Technol.
Chem. Technol.

Influence of sulfuric analogs of sugars on the growth of the
culture of *Penicillium* No. 2-3. Czechoslovakia 10 no. 3-4 1961

1. Chair of Biochemistry of the Faculty of Natural Sciences of
Charles University, Prague.

USSR/Farm Animals. General Problems.

2

Abstr Jour: Izv Zhur-Biol., No 27, 1958 92489.

Author : Pavlov, N.G.

Title : Moscow Agricultural Institute im. K.M. Shiryayev.

Subject : Problem of the Chemical Characteristics of Different Muscle Types in Farm Animals.

Orig Pub: Dokl. Mosk. s.-kh. akad. im. K.M. Shiryayeva, 1957
vyp. 27, 300-303.

Abstract: An examination of the musculature of a 16-year old horse and a 1½ year old bull revealed that statodynamic type muscles (flexor digitorum sublimis) and especially static type muscles (interosseus) contained a larger quantity of low grade proteins than muscles of the dynamic type (rhomboides, biceps major).

Card : 1/1

KARLOVA, N.G., laborant

Various types of internal structures of foreleg muscles in
cattle and characteristics of their chemical composition.

Izv.TSKhA no.4:171-178 '59.

(MIRA 12:11)

(Cattle) (Muscles)

KARLOVA, N. G., Cand of Bio- Sci -- (diss)

"Relation Between Internal Structure and Chemical Composition in Various
Kinds of Muscles of the Chest Extremities of Cattle," Moscow, 1959, 19 pp
(Moscow Agricultural Academy im K. A. Timeryazev) (KL, 7-60, 107)

KARLOVA, N. G.

"Representation of the Surface Relief in the Photographic Maps
According to the Particulars of Previously made Topographic Surveys."

Report presented at the Regular Scientific Conference on Soil Science, Geodesy
and Aerophotogeodesy, at the MIIZ (Moscow Inst. for Soil Science Engineering)
28-31 Jan 58

Engineer, Central Agency for Agricultural Aerial Photography

IL'INSKIY, B.V.; BORISOVA, L.I.; KARLOVA, N.P.; KOMAROVA, I.V.;
KRIVORUCHENKO, I.V.; PETROVA, N.P.

Characteristics of the biochemism of the blood in
atherosclerosis. Trudy Inst. klin. i eksper. kard. AN Gruz.
SSR 8:35-44 '63. (MIRA 17:7)

1. Iz III terapevticheskoy kafedry Gruzinskogo instituta dlya
usovershenstvovaniya vrachey i gruppy po aterosklerozu Instituta
fiziologii imeni Pavlova AN SSSR, Leningrad.

KARLOVA, N. P.: Master Med Sci (diss) -- "The effect of certain neurotropic substances (atropine, difacyl, tetamon, diphenyl, ephedrine) on the metabolism of vitamin B₁ in ulcerous diseases". Leningrad, 1958. 11 pp (Min Health RSFSR, Leningrad Sanitary-Hygiene Med Inst), 200 copies (KL, No 9, 1959, 117)

KARLOVA, N.P.

Vitamin B₁ metabolism in peptic ulcer. Trudy ISGMI 50:164-169 '58.
(MIRA 12:1)

1. Kafedra propedevtiki vnutrennikh zabolevaniy (zav. - prof. S.M. Ryss)
Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.
(VITAMIN B₁, metabolism
in peptic ulcer (Rus))
(PEPTIC ULCER, metabolism
vitamin B₁ metab. (Rus))

KARLOVA, N.P.

The effect of neurotropic substances (atropine, adiphenine, tetraethylammonium, diphenylhydantoin, ephedrine) on vitamin B₁ metabolism in peptic ulcer. Trudy ISGMI 50:170-179 '58. (MIRA 12:1)

1. Kafedra propedevtiki vnutrennikh zabolevaniy (zav. - prof. S.M. Ryss)
Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.

(VITAMIN B₁, metabolism

in peptic ulcer, eff. of various neurotropic drugs (Rus))

(PEPTIC ULCER, metabolism

vitamin B₁ metab., eff. of various neurotropic drugs (Rus))

(ATROPINE, effects

on vitamin B₁ metab. in peptic ulcer (Rus))

(EPHEDRINE, effects

same)

(TETRAETHYLAMMONIUM, effects

same)

(HYDANTOINS, effects

diphenylhydantoin on vitamin B₁ metab. in peptic ulcer (Rus))

(PARASYMPATHOLYTICS, effects

adiphenine on vitamin B₁ metab. in peptic ulcer (Rus))

LEONT'YEV, M.N.; prínimali uchastiye: BAKINA, K.V.; KISELEVA, O.M.;
KRAVETS, Ye.A.; KARLOVA, S.A.; DUBNOVA, S.S.; SEMENYAKO, A.G.;
ZAMORINA, Z.T.; MILANINA, Ye.F.; KOZEL'SKAYA, O.P.; VASIL'KOVA,
Z.I.; ZOTOV, S.N.; YERMOLOV, A.I.; BEZLYUDNAYA, V.V.; NAZAROV,
B.A.; ASHIKHMINA, V.M.; ASYAKINA, A.N.; TROITSKAYA, B.I.;
SKVORTSOV, A.V., red.; LESHAKOV, I.T.- tekhn. red.

[The economy of Orlov Province; a statistical manual] Narodnoe
khoziaistvo Orlovskoi oblasti; statisticheskii sbornik. Orel,
Gosstatizdat, 1960. 281 p. (MIRA 14:5)

1. Orel(Province) Statisticheskoye upravleniye. 2. Zamestitel'
nachal'nika statisticheskogo upravleniya Orlovskoy oblasti
(for Leont'yev). 3. Statisticheskoye upravleniye Orlovskoy ob-
lasti (for all except Leshakov) 4. Nachal'nik statisticheskogo
upravleniya Orlovskoy oblasti (for Skvortsov)
(Orlov Province—Statistics)

IVANOV, N.A., prof., PERMINOV, I.Z., MATUSHKINA, L.Ye., KARLOVA, T.F.
(Leningrad)

Primary dissemination of candidemycosis. Klin.med. 36 no.11:135-140
N '58 (MIRA 11:12)

1. Iz kafedry kozhnykh i venericheskikh bolezney (nach. - prof.
S.Ye. Gorbovitskiy) Voenno-morskoy meditsinskoy akademii i kliniki
nervnykh bolezney No.2 (nach. - prof. A.G. Panov) Voenno-meditsinskoy
akademii imeni S.M. Kirova.

(MONILIASIS, case reports
primary dissemination (Rus))

KARLOVA, V.P.

Practice in using the hydrochemical method for prospecting in the southern part of the Krasnoyarsk Territory. Mat. po geol. i pol.iskop.Kras. kraia no.3:209-214 '62. (MIRA 17:2)

9/1300

9,2590 (incl. 2105)

21655

S/109/61/006/003/010/018
E140/E135

AUTHORS: Solov'yev, Ye.G., and Karlova, Ye.K.

TITLE: Stub Delay System for Paramagnetic Travelling Wave
Amplifier in the Centimeter Band

PERIODICAL: Radiotekhnika i elektronika, 1961, Vol.6, No.3,
pp. 406-409

TEXT: The article describes work based on that of De Grasse
et al (Ref.1: Bell System Techn.J., 1959, 38, 2, March, 305).
The main difference from the earlier system consists in the wide-
band matching circuit (Fig.3) and the introduction of the pumping
signal. The matching circuit provides smooth transformation of
the high-frequency field of the delay system to the H_{10} -wave in the
rectangular waveguide. The pumping signal is fed through a
rectangular waveguide entering the side wall at the centre of the
delay system on the side of the rose so that the E-pumping
vector would be perpendicular to the side plane of the stub system.
To decouple the working and pumping channels, the planes of
polarization of the two channels were taken mutually perpendicular.
Making the narrow wall of the fundamental waveguide small enough
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E140/E135

V

Stub Delay System for Paramagnetic Travelling Wave Amplifier in the Centimeter Band

so that at pumping frequency this channel will be a cut-off waveguide, the two channels are sufficiently decoupled. The fundamental signal cannot enter the pumping channel since for it the pumping channel waveguide is also cut off. The entire system was designed for immersion in a Dewar flask. Experimentally obtained dispersion characteristics for a stub system of height 0.222 are given in Fig.4, and the insertion loss of the system in Fig.6.

There are 6 figures and 2 references: 1 Soviet and 1 English.

SUBMITTED: January 29, 1960

Card 2/5

AID Nr. 990-9 14 June

KARLOVA, Ye. K.

TW MASER FOR AMPLIFICATION IN THE 3-cm BAND (USSR)

Karlova, Ye. K., N. V. Karlov, A. M. Prokhorov, and Ye. G. Solov'yev.
Priory i tekhnika eksperimenta, no. 2, Mar-Apr 1963, 107-110.

S/120/63/000/002/025/041

Performance and construction details are described for a 3-cm traveling-wave maser which used a waveguide section containing two ruby rods attached along the base of a comb delay array on opposite sides of the teeth. The ruby had a Cr^{3+} concentration of about 0.07% and was 2 mm in diameter by 100 mm long; the red (isolating) ruby rod had a Cr^{3+} concentration of 1 to 2%. The external hf magnetic field was elliptically polarized in the plane of the comb, with its major axis normal to the traveling-wave line of propagation, in such a manner that at an eccentricity of 1.5 the energy density of the forward wave on one side of the comb array exceeded backward-wave density by 25 times. Measurement of energy density in the delay section was achieved by comparison of the EPR absorption line intensity in a DPPH sample, when the latter was located alternately in the feed-in and delay sections of the waveguide. The amplifier was

Card 1/2

L 26261-66 EWT(m)/EWP(t) IJP(c) JD

ACC NR: AP6013525

SOURCE CODE: UR/0120/66/000/002/0191/0194

AUTHOR: Karlova, Ye. K.; Karlov, N. V.

ORG: Physics Institute, AN SSSR, Moscow (Fizicheskii institut AN SSSR)

TITLE: Millimeter-band receiver based on an InSb photoconductor

SOURCE: Priboi i tekhnika eksperimenta, no. 2, 1966, 191-194

TOPIC TAGS: crystal detector, photoresistor, photoconductor, indium alloy

ABSTRACT: The design and performance of a low-noise millimeter-wave receiver based on an InSb detector are described. The InSb element, which at liquid He temperature acts as a photoresistor to incident millimeter rf, was n-type, with a rated carrier mobility of 3×10^5 cm²/v·sec, and was cut from a single crystal to dimensions of 4 x 1 x 1 mm. At an operating temperature of 4.2K, detector resistance was in the range of 130—150 ohms. The crystal, together with a carbon-ballast resistor, was mounted in a 3.2-mm diameter waveguide, which was fed by a klystron via a tapered polyethylene insert in the guide, and the assembly was immersed in the He cryostat (see Fig. 1). Special efforts were taken to shield the crystal and receiver circuitry because of the great sensitivity and bandpass of the InSb element. The incoming

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UDC: 539.28.078

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ACC NR: AP6013525

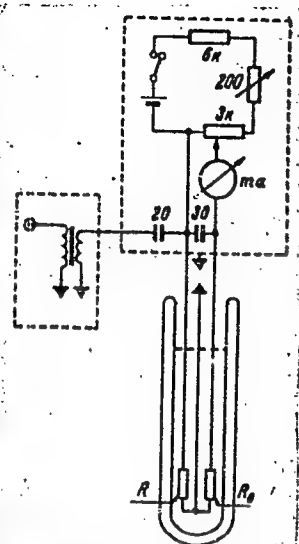


Fig. 1. Photoreistor supply mounting.

R_0 - InSb resistor;
 R - ballast resistor.

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signal was dual-modulated: at 72 cps by oscillation of a slot attenuator in the guide and at 3 kc by modulation of the klystron supply voltage. By also using synchronous detection and low-noise receiver components, the authors obtained reception considerably better than that of usual (type D-407) crystal diodes, under the same test conditions. The relative improvement in sensitivity of the InSb element varied from 20 db at $\lambda = 4$ mm to 3 db at $\lambda = 0.6$ mm; by lowering the He temperature to 1.8K, these gains could be improved another 3—5 db. The stability and zero drift of this receiver were considered very good, with consistency of data maintained over several months of operation, provided the copper leads to the crystal were not resoldered. However, the InSb element was found to lose its sensitivity several months after being removed from the receiver. The authors conclude that their receiver is comparable in sensitivity to some of the best present superhet types in the millimeter band, and they suggest that it can be used in radiospectroscopy and radioastronomy. "The authors are extremely

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ACC NR: AP6013525

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grateful to A. M. Prokhorov for his attention, advice, and fruitful suggestions, as well as to Ye. A. Vinogradov, Ye. M. Dianov, and N. A. Irisova, for permitting the use of their measuring apparatus." Orig. art. has: 2 figures and 2 formulas. [SH]

SUB CODE: 09/ SUBM DATE: 06Apr65/ ORIG REF: 006/ OTH REF: 005
ATD PRESS: 42.43

Card 3/3 16

KARLOVA, YE. V.

Karlova, Ye. V. "The course of ulcerous stomach illness during wartime and its special properties," Soornik nauch. raot evakogospitaley i Kafedry obshchey okhraneniya (Irkut. gos. med. in-t) (Irkutsk), 1948, p. 56-64

SO: U-2888, Ietc. is Zhurnal'nykh Statey, No. 1, 1949

KARLOVAC, J.

"Findings Of Bathypelagic Fish Species Hitherto Unknown In The Adriatic." p.1 (BILJESKE,
Vol. 40, No. 2, Nov. 2, 1952, Split.)

SO: Monthly List of East European Accessions, Vol. 3, No. 3, Library of Congress,
March 1954, Uncl.

GRIN, Ernest, prof. dr.; KARLOVAC, Ksenija

Study of the sensitivity of N. gonorrhea to penicillin and streptomycin. Med. arh. 19 no.2:5-14 Mr-Apr'65.

1. Zavod za kožne i venerične bolesti "Dr. Simo Milosevic" u Sarajevu (Direktor: Prof. dr. Ernest Grin).

THE LANCET LONDON

1. "The United States Government has the honor to acknowledge the receipt of your letter of the 10th inst. in relation to the proposed purchase of the land in the State of Texas, and to inform you that the same has been referred to the proper authorities for their consideration."
2. "The United States Government has the honor to acknowledge the receipt of your letter of the 10th inst. in relation to the proposed purchase of the land in the State of Texas, and to inform you that the same has been referred to the proper authorities for their consideration."
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KARLOVAC, C.

"Occurrence Of Chimaera Monstrosa L. In The Adriatic." p. 1
Vol. 40, No. 4, 1953, Split.)

(BILJESKE,

SO: Monthly List of East European Accessions, Vol. 3, No. 3, Library of Congress,
March 1954, Uncl.

KARLOVAC, O.

"Occurrence Of Stenopus Spinosus Risso In The Adriatic." p. 1
Vol. 40, No. 5, 1953, Split.)

(BILJESKE,

SO: Monthly List of East European Accessions, Vol. 3, No. 3, Library of Congress,
March 1954, Uncl.

KARLOVAC, O.

Results of the research on benthonic fish. p. 156

MORSKO RIBARSTVO. (Udrusemje morskog ribarstva Jugoslavije) Rijeka,
Yugoslavia. Vol. 11, no. 8, Aug. 1959

Monthly list of East European Accessions (LEAI) LC Vol. 9, no. 2
Feb. 1960

Uncl.

KARLOVIC, Nikolina

Consumption of polyvinyl chloride in the United States
in 1962. Kem ind 12 no.9:701-702 S '63.

KARLOVIC, Nikolina

Application of PVC in the shoe industry. Kem ind 12 no.12:923-925
D '63.

KARLOVICH, V.A., meditsinskaya sestra (Moskva)

~~Particular aspects of the treatment of children with brain diseases.~~
Med.sestra no.3:12-14 Mr #55. (MIRA 8:5)

(BRAIN, dis.,
in inf. & child, nursing care)
(NURSING CARE, in various dis.,
brain dis. in inf. & child.)

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KARLOVITZ, I.

Planned simplification and standardization of calculations in the
new (Hungarian) Pharmacopeia. Gyogyszeresz 6 no.6:132-135 1 June
1951.
(CLML 20:9)

KARLOVITZ, L.

Density determination in the new pharmacopeia. Gyogyszeres 6 no.
10:222-225 Oct 1951. (GLML 23:5)

MOROZOVA, M.P.; KARLOVSKAYA, G.P.

Degree of iron oxidation as a factor affecting the enthalpy of formation
of a solid solution of ferrous oxide in magnesium oxide. Vest. LGU

15 no.4:117-121 '60.

(MIRA 13:2)

(Iron oxide) (Magnesium oxide)

KORNAKOV, Anatoliy Mikhaylovich, kand.tekhn.nauk; KARLOVSKIY, S.A.,
inzh., retsenzent; SHISHLYKOV, Ye.S., inzh., red.;
VOROTNIKOVA, L.F., tekhn. red.

[Layout of railroad tracks in junctions] Razv'iazki zheleznodorozhnykh liniy v uzlakh. Moskva, Transzheldorizdat, 1962.
153 p. (MIRA 15:8)

(Railroad engineering)

ZEMBLINOV, S.V.; STRAKOVSKIY, I.I.; KARLOVSKIY, S.A., inzh.,
retsenzent; SHATUNOV, V.G., inzh., red.; USENKO, L.A.,
tekhn. red.

[Stations and junctions] Stantsii i uzly. Moskva, Trans-
zheldorizdat, 1963. 347 p. (MIRA 17:2)

KARLOVSKIY, S.P. (g. Kursk)

Homemade instrument for demonstrating the Boyle-Mariotte law.
Fiz. v shkole 15 no.6:58-59 N-D '55. (MLRA 9:2)

1. Pedagogicheskiy institut.
(Gases, Kinetic theory of) (Physical instruments)

Karlovsky, J.

1519. SILICON MIXER DIODES. J. Karlovsky and M. Valdek. 641.316.63
 Mikrovlny Ondy, Vol. 17, No. 12, 1972-73, 1504. In Czech.
 Silicon crystal diodes are compared with Ge-crystal rectifiers
 and the technology of the preparation of pure Si crystals from SiCl₄
 is briefly outlined. The theory of diode detection is dealt with and,
 in particular, the detection of microwaves is discussed in some
 detail. Some Czechoslovak-made Si diodes of the point-contact type
 are described. One type of diode operates at 3 cm wavelengths and
 has a forward resistance of 500 Ω, reverse resistance of 5000 Ω,
 mixing loss of 8.5 dB and maximum noise temperature of 5. The
 other type is used at wavelengths of 10 cm and has the same resist-
 ances as the 3 cm diodes, but its mixing loss is 10 dB and the noise
 temperature is 5.
 R. S. Sidorenko

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82758

9.4310

Z/039/60/021/09/002/006
E073/E535

AUTHOR: Karlovský, Jaroslav, Engineer

TITLE: New Trends in Semiconductor²² Techniques for Very High Frequencies⁸

PERIODICAL: Slaboproudý obzor, 1960, Vol.21, No.9, pp 529-535

TEXT: This is a revised version of a paper read at a meeting of the Scientific-Technical Council of the Vacuum Technique Section of TESLA, Rožnov on April 26, 1959. The author reviews information published in literature on semiconductor components intended for use at ultra-high frequencies. First, the various factors determining the upper limit of the frequencies of diodes and transistors are considered. In the further parts of the paper methods are described which enable increasing the limit frequency. Finally, some possible applications are described. The survey covers literature published up to early 1959. The described possible principles of amplification, mixing and generation of high frequencies by means of semiconductor diodes provide great potentialities in a number of fields. Since in most cases nonlinear reactances are used, the self-generated

Card 1/2

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E073/E535

New Trends in Semiconductor Techniques for Very High Frequencies
noise level will be much lower than that which can be achieved
with current vacuum tubes. There are 17 figures and 37
references: 3 Soviet, 9 Czech, 3 German and 22 English. 4

ASSOCIATION: Výzkumný ústav pro sdělovací techniku A. S. Popova,
Praha (Research Institute for Telecommunication
Engineering "A. S. Popov", Prague)

SUBMITTED: April 21, 1960

Card 2/2

S/194/62/000/006/097/232
D288/D308

AUTHOR: Karlovský, Jaroslav

TITLE: Tunnel diodes under development in Czechoslovakia

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika,
no. 6, 1962, abstract 6-4-20 y (Automatizace, 1961, 4,
no. 10, 292-293)

TEXT: Development of tunnel diodes in Czechoslovakia is undertaken at the National Institute of Telecommunication im. A.S. Popov in Prague. A series of germanium diodes has been designed, using n-type germanium with spec. resistivity ≈ 0.001 ohm-cm, alloyed with arsenic. The junction is formed by alloying an indium pellet with an admixture of gallium. The junction area is reduced by electrolytic etching. Parameters of diodes DT1, DT2, DT3 are tabulated. Typical values: $I_p/I_v \approx 6$; $U_p \approx 50$ mV; $U_v \approx 300$ mV; $C_v/I_p \approx 10-20$ pF/ma. The best values attained are $I_p/I_v = 11$ and $C_v/I_p = 3$ pF/ma. Possible applications of the above diodes are discussed. 2 references. [Abstracter's note: Complete translation.]
Card 1/1

KARLOVSKY, Jaroslav, inz.; HOLAN, Jiri, promovany fyzik

Reactive component parts for microminiaturization. Sdel tech 9 no.11:
405-408 N '61.

KARLOVSKY, Jaroslav, inz.

"Technical reports of the Institute of Semiconducting
Technology in Teltow". Reviewed by Jaroslav Karlovsky.
Sdel tech 9 no.12:480 D '61.

87980

Z/039/61/022/001/003/006

E192/E382

9,4340 (and 1003, 1143, 1160)

AUTHOR: Karlovský, Jaroslav, Engineer

TITLE: Silicon Detector Diodes for Centimetre Waves

PERIODICAL: Slaboproudý obzor, 1961, Vol. 22, No. 1,
pp. 20 - 24

TEXT: The main parameter of a detector diode is its detection sensitivity which is defined by:

$$\beta = I_{\text{r}} / P_{\text{vf}} \quad (1)$$

where I_{r} is the rectified current and

P_{vf} is the high-frequency power supplied to the diode.

The high-frequency circuit of a silicon diode can be represented by a series resistance R_{s} followed by a parallel combination of a resistance R_{b} and a capacitance

C. The current-voltage characteristic of the rectifier

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Z/039/61/022/001/003/006
E192/E382

Silicon Detector Diodes for Centimetre Waves

$$\beta_o = \frac{\alpha}{2 \left(1 + \frac{R_s}{R_b} \right)^2} \quad (16)$$

where α is a parameter depending on the shape of the current-voltage characteristic, and

C , R_s , R_b are the parameters of the equivalent circuit of the diode.

As a current source in a receiver, the diode can be assumed to have an output resistance R_b . The noise voltage produced by this source is therefore given by:

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E192/E382

Silicon Detector Diodes for Centimetre Waves

$$U_{s1} = \sqrt{4kT \cdot \Delta f \cdot R_b} \quad (22)$$

where k is the Boltzmann constant,
 T is the absolute temperature of the diode, and
 Δf is the bandwidth occupied by the noise.
The signal-to-noise ratio at the output of the receiver can
therefore be expressed as;

$$\frac{U_2}{U_{s2}} = \frac{\beta \cdot P_{vf} \cdot R_b}{\sqrt{4kT \cdot \Delta f \cdot (R_b \cdot t + R_g)}} \quad (27)$$

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Silicon Detector Diodes for Centimetre Waves

where t is a coefficient taking into account the
biasing voltage of the diode and
 R_e is the equivalent noise resistance of the input
tube of the receiver.

It is useful to define the so-called tangential sensitivity
of the receiver. This is defined as the high-frequency
input power P_o such that the signal-to-noise ratio

$U_2/U_{s2} = 2$. This quantity can easily be measured by
using a high-frequency pulse, whose effective amplitude is
twice the noise amplitude. Methods of measuring the
detection sensitivity, the output resistance and the
tangential sensitivity of the diode are discussed in some
detail. A simple potentiometer circuit for measuring the
detection sensitivity β is shown and also a circuit for
measuring the output resistance is given. The equipment
Card 5/6

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E192/E382

Silicon Detector Diodes for Centimetre Waves

necessary for measuring the tangential sensitivity is illustrated in a block schematic and a detailed circuit diagram of the pulse-generator employed in this measurement is shown. It is concluded that silicon detector diodes can be used at centimetre waves provided the signal available is not lower than $0.01 \mu W$. There are 9 figures and 5 references: 1 Czech and 4 non-Czech.

ASSOCIATION: Výzkumný ústav sdělovací techniky A.S. Popova,
Praha (A.S. Popov Research Institute of
Telecommunications, Prague)

SUBMITTED: June 7, 1960

Card 6/6

Z/014/62/000/002/003/003
E192/E382

AUTHOR. Karlovský, Jar., Engineer and Krejčík, Boh.

TITLE. A novelty: Wireless microphone

PERIODICAL. Sdělovací technika, no. 2. 1962, 70


TEXT. The device described is in effect a frequency-modulated miniature transmitter. A detailed circuit diagram of the system is given in Fig. 1. In this, a transistor T_1 operates as an oscillator. The transistor is OC170 and is specially chosen in order to be capable of operating at 100 Mc/s. The transistor operates as a common-base oscillator with the tuned circuit in the collector, the feedback being taken from a tapping on the tuning coil through the capacitor C_1 to the emitter. The oscillator is followed by a high-frequency amplifier stage based on the transistor T_2 , which is coupled to the oscillator by the coil L_2 . The collector of T_2 contains the tuned circuit L_3 - C_6 , which is coupled to the antenna. The signal from a

✓

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A novelty

Z/014/62/000/002/003/003
E192/E382

dynamic microphone is amplified by a single-stage audio-amplifier based on T_3 . The amplified audio-signal is applied to the base of T_1 through the coupling condenser C_7 . The low frequency  thus changes the operating voltage between the collector and the base of T_1 . This results in the modulation of the collector-base capacitance of T_1 , which is connected in parallel with the tuned circuit. In this way, the oscillator undergoes frequency-modulation. The system is fed from a 13.5 V battery and produces an output of 20 mW in the antenna. The frequency-modulation deviation is 100 kc/s and the bandwidth of the audio-channel extends from 20 c.p.s. to 20 kc/s (at 30 db). The microphone can be used at distances of 50 - 100 m. There are 2 figures.

(Card 2)

37162
Z/014/62/000/005/002/003
E192/E382

9.4330

AUTHOR: Karlovsý, Jaroslav, Engineer

TITLE: Voltage-current characteristic of the Esaki diode

PERIODICAL: S.lovací technika, no. 5, 1962, 172

TEXT: The average squared value of the noise current of an Esaki diode is expressed by:

$$\overline{I_s^2} = 2e(I_e + I_z) \cdot \Delta f \quad (3)$$

where I_e is the Esaki current and
 I_z is the Zener current.

It is therefore necessary to determine I_e and I_z from the measured characteristic $I = f(U)$. It is shown that the relationship between the currents is given by:

$$I_e = I_z \exp \frac{eU}{kT} \quad (8)$$

Card 1/2

KARLOVSKY, Jaroslav, inz.

A successful conference on electronics. Sdel tech 10 no.7:268-
269 JI '62.

KARLOVSKY, J., inz.

Synthetic semiconductor parts. Sdel tech 9 no.10:372-373 0 '61.

KARLOVSKY, Jaroslav, inz.

Protection of transistors with inductive load. Sdel tech 10 no. 3:
88-89 March '62.

KARLOVSKY, Jar., inz.; KREJCIK, Boh.

A wireless microphone. Sdel tech 10 no.2:70 F '62.

KARLOVSKY, Jar., inz.

"Special semiconductor elements" by Milos Ulrych. Reviewed
by Jar. Karlovsky. Sdel tech 11 no.7:279-280 J1 '63.

KARLOVSKY, Jaroslav, inz.

Alternating converter with a very low ripple. Sdel tech 11 no.9:
350-351 S '63.

KARLOVSKY, Jaroslav, inz.; KREJCIK, Bohumil

A differential amplifier. Sdel tech 12 no.4:139-140 Ap '64.

SARLOVSKY, J., 1975.

International conference on semiconductors in Prague. 1975. 13 no.3:91 '65.

L 21160-66

ACC NR: AP6010935

SOURCE CODE: CZ/001/65/000/010/0386/0388

AUTHOR: Karlovsy, Jaroslav (Engineer)

ORG: none

TITLE: Properties of small electric motors *✓*

SOURCE: Sdelovaci technika, no. 10, 1965, 386-388

TOPIC TAGS: electric motor, electric device

ABSTRACT: The article gives light-current engineers a survey of the properties of electric motors and points out that it is possible to change the properties of small electric motors by suitable modifications of the equipment. This article deals with commutator motors; asynchronous motors will be discussed in a future article. Orig. art. has: 11 figures and 18 formulas. [JPES]

SUB CODE: 09 / SUBM DATE: none

Card 1/1 *BK*

L 33273-66

ACC NR: AP6023812

SOURCE CODE: CZ/0014/66/000/001/0008/0C11

AUTHOR: Karlovsky, Jaroslav (Engineer)

ORG: none

TITLE: Properties of electric motors. Part 2

SOURCE: Sdelovaci technika, no. 1, 1966, 8-11

TOPIC TAGS: electric motor, circuit design

ABSTRACT: The article (continued from No 10, 1965, of the same journal) concludes with a discussion of asynchronous motors. It presents a brief discussion of their properties, calculations of them, several circuits and numerous diagrams of the characteristics of asynchronous motors. Orig. art. has: 10 figures and 18 formulas.
[JPRS]

SUB CODE: 09 / SUM DATE: none

Cord 1/1

KLOSS, Albert; JIRMAR, Václav, inz.; KARLOVSKY, Petr

Silicon rectifier of the first Czechoslovak alternating current locomotive. El tech obzor 53 no. 5:268-272 My '64.

1. Ceskomoravska-Kolben-Danek Praha, National Enterprise.

KARLOWICZ, Karola

Brucellosis and its relation to chronic forms of rheumatic disease.
Pediat.polska 30 no.8:671-675 Aug '55.

1. Z I Kliniki Chorob Dzieci A.M. w Warszawie. Kierownik: prof.
dr med. H. Baranski, Warszawa, Litewska 16.
(BRUCELLOSIS, in infant and child,
differ.diag. from rheum.)
(RHEUMATISM, in infant and child,
differ.diag. from brucellosis)

KARLOWICZ, Karola; KORDYASZ, Ewa; WOLFF-PIODOWSKA, Anna

Analysis of pathological cases of neonatal jaundice. *Pediat.*
Pol. 40 no.6:571-578 Jo '65.

1. Z Oddziału Niemowlecego Miejskiego Szpitala Bielanskiego w
Warszawie (Ordynator: dr. med. K. Karłowicz).

KARLOWICZ, Karola

A case of acquired hemolytic anemia with hemoglobinuria and uremia.
Pediat.polska 34 no.10: 1333-1335 0 '59.

1. Z I Kliniki Chorob Dzieci A.M. w Warszawie. Kierownik: prof.dr.
med. R. Baranski.

(ANEMIA HEMOLYTIC compl.)

(HEMOGLOBINURIA compl.)

(UREMIA compl.)

KARLOWICZ, Karola; GORECKA, Maria

A case of lupus erythematosus. Pediat. pol. 37 no.7:747-750 J1 '62.
(MIRA 15:5)

1. Z I Kliniki Pediatrcznej AM w Warszawie Kierownik: prof. dr med.
R. Baranski.

(LUPUS ERYTHEMATOSUS in adolescence)

GAIL-PECZALSKA, Kazimiera; KAPUSCINSKA-CZERSKA, Wanda; KARLOWICZ, Karola;
KLON, Maria

Adrenogenital syndrome with electrolyte disorders in siblings. Pediat.
pol. 37 no.10:1059-1066 0 '62.

1. Z I Kliniki Chorob Dzieci AM w Warszawie. Kierownik: prof. dr med.
R. Baranski i z Miejskiego Szpitala Dziecięcego w Warszawie — Saska
Kępa. Dyrektor: dr med. S. Bielobradek.
(ADRENOGENITAL SYNDROME) (ELECTROLYTES)

KARLOWICZ, R.; SEKOWSKI, S.

Developmental trends of Polish city planning. p. 404.

NOVA TECHNIKA. (Ceskoslovenska vedecko-technicke spolecnost)
Praha, Czechoslovakia
No. 9, Sept. 1959

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 11
Nov. 1959
Uncl.

KARLOWSKA, Irena

Bimler's apparatus and our modified apparatus in orthodontic therapy. Roczn. pom. akad. med. Swierczewski 9:171-186 '63.

1. Z Zakladu Ortodoncji Pomorskiej Akademii Medycznej
Kierownik (p.o.): dr med. stom. Irena Kosciukiewicz-Michiewicz.
(ORTHODONTICS) (EQUIPMENT AND SUPPLIES)

KALLOWSKI, JAN

Uprawa roli i jej organizacja w spoldzielni produkcyjnej. Wyd. 4. Warszawa, Państwowe Wydawn. Rolnicze i Lesne, 1954. 64p. (Biblioteczka dwuletnich kursow masowego szkolenia rolniczego) [Soil cultivation and its organization on a collective farm. 4th ed.]

DA

Not in DIC

SO: Monthly List of East European Accessions (EEAL) 10. Vol. 6, No. 10, October 1957. Uncl.

KARLSEN, G.G., kand.biolog.nauk; VOYEYKOV, A.B., nauchnyy sotrudnik;
KOBZIN, B., red.; TIKHONOV, N., tekhn.red.

[Using horses in agriculture] I pol'zovanie loshadei v sel'skom
khoziaistve. Moskva, Mosk.rabochii, 1947. 118 p. (MIRA 13:9)

1. Zaveduyushchiy otделom koneispol'zovaniya Vsesoyuznogo nauchno-
issledovatel'skogo instituta konevodstva (for KarlSEN). 2. Vse-
soyuznyy nauchno-issledovatel'skiy institut konevodstva (for
(Voyeykov).

(Draft horses)

KARLEN, G. G.

20170 KARLEN, G. G. Puti povysheniya proizvoditel'nosti tochno by na rabotakh v sel'skoi khozyaystve. Trudy Vsesoyuz. Nauch.-issled. Inst' khozyaistva, VII. 17, 1949, S. 55-64.

SO: Letopis, No. 32, 1949.

KARISEN, G. G.

24180 KARISEN, G. G. K razrabotke metodov ispytaniy rabochnikh kachestv loshadey.
Trudy Vsesoyuz. Nauch.-issled. Inst. TA konevodstva, VII. 17, 1949, S. 65-82.

SC: Letopis, No. 32, 1949.

KALASHNIKOV, A. A.; KOGAN, A. YA.; EARLSEN, G. G.

Collective Farms

Utilization of horses on collective farms Konevodstvo 22 No. 2, 1952

9. Monthly List of Russian Accessions, Library of Congress, June 1953₂, Uncl.

KARISEN, G.G.; KACAN, A. YA.; CHEKAYEVSKAYA, R.A.

Horses - Judging

Results of draft horse trials for 1950-1951, Konevodstvo, 22, No.8, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. UNCLASSIFIED.

KARLSEN, G. G.; KOGAN, A. YA.; CHUMAYEVSKAYA, R. A.

Horse Training

Results of the trials of draft horses in 1950-1951 (continued). Konevodstvo 22 no. 9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1953, Uncl.
2

KARLSEN, G.

USSR/Farm Animals - Horses.

Q-2

Abs Jour : Ref Zhur - Biol., No 7, 1958, 30933

Author : Karlsen G.

Inst : -

Title : Standards of the Feeding of Draft Horses.
(Normy kormleniya rabochikh loshadey).

Orig Pub : Konevodstvo, 1957, No 4, 27-31.

Abstract : On the basis of the investigation carried out with the help of respiratory apparatus, the expense of the energy in draft horses under different levels of feeding and different working conditions was established. The standards of feeding were defined with more precision.

Card 1/1

KARISEN, Genrikh Georgiyevich, 1894- redaktor, professor, doktor tekhnicheskikh nauk; BOL'SHAKOV, V.V., dotsent, kandidat tekhnicheskikh nauk; KAGAN, M.Ye., professor, doktor tekhnicheskikh nauk; SVENTSITSKIY, G.V., dotsent, kandidat tekhnicheskikh nauk.

[Wooden structures] Dereviannye konstruktzii. Izd.2., perer. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1952. 757 p. (MLRA 6:10)
(Building, Wooden) (Lumber)

KARLSEN, G.G., doktor tekhnicheskikh nauk, professor, redaktor; KOVAL'CHUK, M.F., inzhener, nauchnyy redaktor; YEGOROVA, N.O., redaktor izdatel'stva; TOKER, A.M., tekhnicheskii redaktor

[Studies in the strength and deformation characteristics of wood; a collection of articles] Issledovaniia prochnosti i deformativnosti drevesiny; sbornik statei. Pod red. G.G.Karl'sena. Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1956. 171 p. (MIRA 9:11)

1. Nauchno-tekhnicheskoye obshchestvo stroitel'noy promyshlennosti SSSR. 2. Rukovoditel' seksii derevyannykh konstruktsey Nauchno-tekhnicheskogo obshchestva stroitel'noy promyshlennosti SSSR (for Karl'sen)

(Wood)